

**Drug Analysis Laboratory  
IR Spectrophotometer  
Monthly QC**

Name & Model # :

Analect Diamond-20

Serial #:

EN-3135

**A. Frequency Check - Polystyrene Spectrum (Bi-monthly):**

2850  $\pm$  6 cm<sup>-1</sup>  
1601  $\pm$  3 cm<sup>-1</sup>  
907  $\pm$  3 cm<sup>-1</sup>

Date: \_\_\_\_\_  
**1**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**B. 100% Line ( $\pm$  2%) (Bi-monthly):**

\_\_\_\_\_ cm<sup>-1</sup>  
\_\_\_\_\_ cm<sup>-1</sup>

\_\_\_\_\_  
\_\_\_\_\_

**C. Alignment (FTIR Only):**

- Background Profile (Monthly)

**D. Resolution (Quarterly-January/April/July/October):**

(Presence of a smaller peak on the low frequency side of 1601 peak)

**E. Cocaine HCL / Cocaine Base Spectra (Quarterly-January/April/July/October):**

Date: \_\_\_\_\_  
**Cocaine HCL**  
( $\pm$  5 cm<sup>-1</sup>)

1732  
1712  
1269  
1107  
729

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

QC Reviewer: \_\_\_\_\_

QA Reviewer: \_\_\_\_\_

Reference: Quality Assurance Program (December 1983), B.L. Karger, L. Gelber

Revised: 2006

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Han\_email\_PRR\_005486

**Drug Analysis Laboratory  
IR Spectrophotometer  
Monthly QC**

Month/Year: \_\_\_\_\_

Operator: \_\_\_\_\_

Date: \_\_\_\_\_  
2

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

**Cocaine Base**  
( $\pm 5 \text{ cm}^{-1}$ )

1739  
1708  
1276  
1110  
713

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Reference: Quality Assurance Program (December 1983), B.L. Karger, L. Gelber

Revised: 2006

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Han\_email\_PRR\_005487

**Drug Analysis Laboratory  
QC - IR Spectrophotometer**

Name & Model # :

FT-IR Spectrum One

Serial #: 73816

**A. Frequency Check - External Polystyrene Spectrum (Bi-annually-January/July):**

Date: \_\_\_\_\_

2850  $\pm$  2 cm $^{-1}$   
1601  $\pm$  2 cm $^{-1}$   
907  $\pm$  2 cm $^{-1}$

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**B. Frequency Check - Internal Polystyrene Spectrum (Bi-monthly):**

Date: \_\_\_\_\_  
1

2850  $\pm$  2 cm $^{-1}$   
1601  $\pm$  2 cm $^{-1}$   
907  $\pm$  2 cm $^{-1}$

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**C. Cocaine HCL / Cocaine Base Spectra (Quarterly-January/April/July/October/):**

Date: \_\_\_\_\_  
Cocaine HCL  
( $\pm$  2 cm $^{-1}$ )

1727  
1711  
1265  
1105  
730

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QC Reviewer: \_\_\_\_\_

QA Reviewer: \_\_\_\_\_

**Drug Analysis Laboratory**  
**QC - IR Spectrophotometer**

Month/Year: \_\_\_\_\_

Operator: \_\_\_\_\_

Date: \_\_\_\_\_  
2

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_  
**Cocaine Base**  
( $\pm$  2 cm $^{-1}$ )

1735 \_\_\_\_\_  
1707 \_\_\_\_\_  
1274 \_\_\_\_\_  
1108 \_\_\_\_\_  
712 \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_